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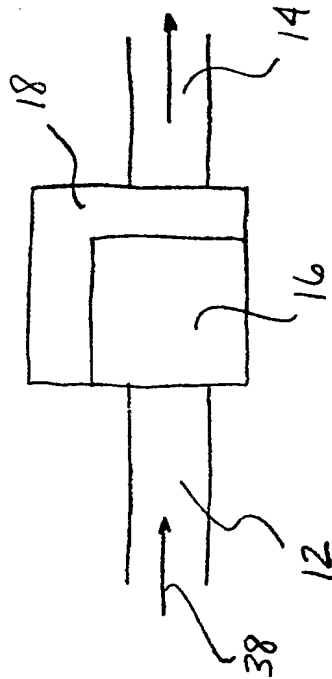


FIG. 1

A schematic diagram of a fluid control device, likely a valve or pump, showing internal components and flow paths. The diagram includes various numbered parts: 16 (overall assembly), 20 (inlet flow), 22 (lower housing), 24 (upper housing), 26 (sealing surfaces), 28 (internal passages), 30 (rotor), 32 (stator), 34 (check valve), 36 (outlet flow), 38 (rotational arrow), 40 (seal), and 42 (port). Arrows indicate the direction of fluid flow and rotation.

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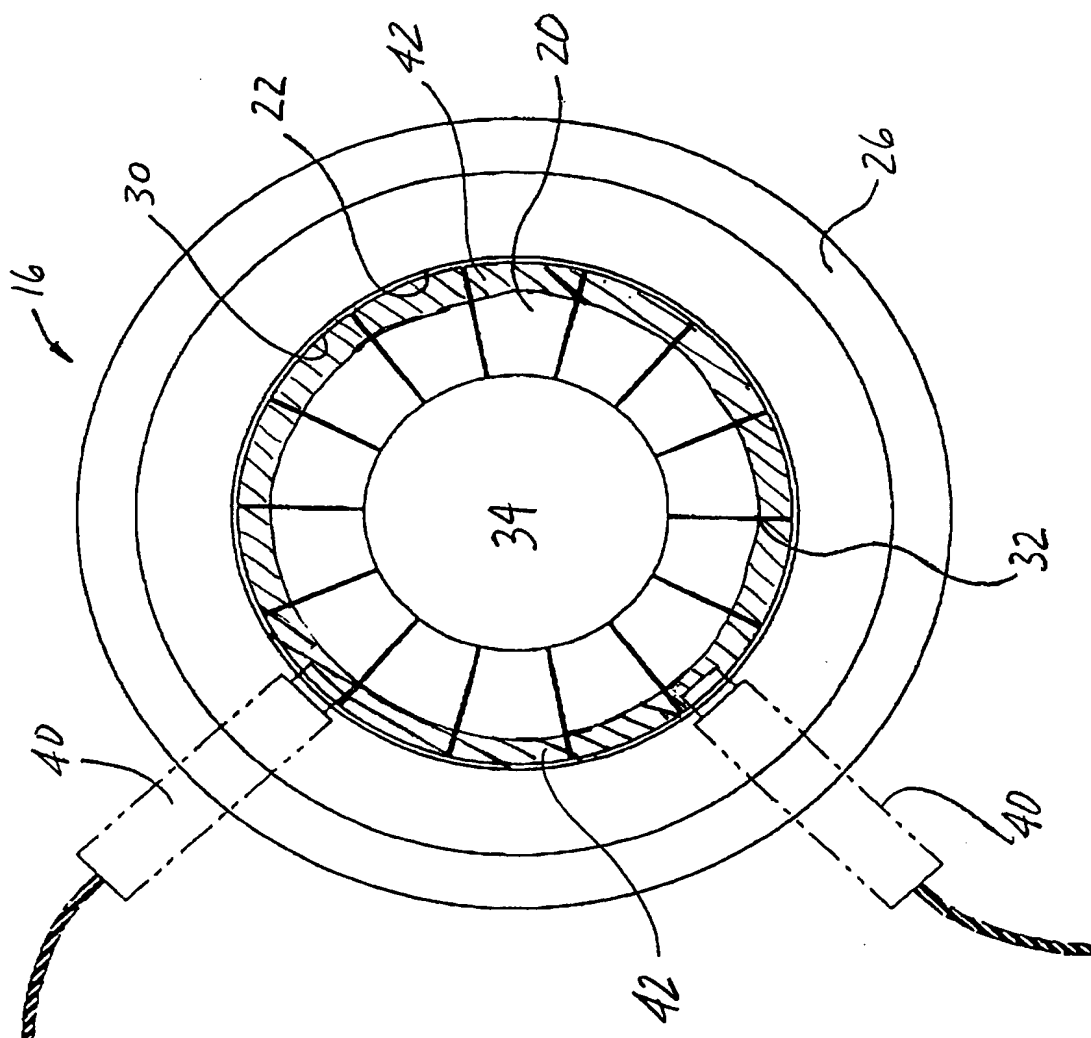


FIG. 3

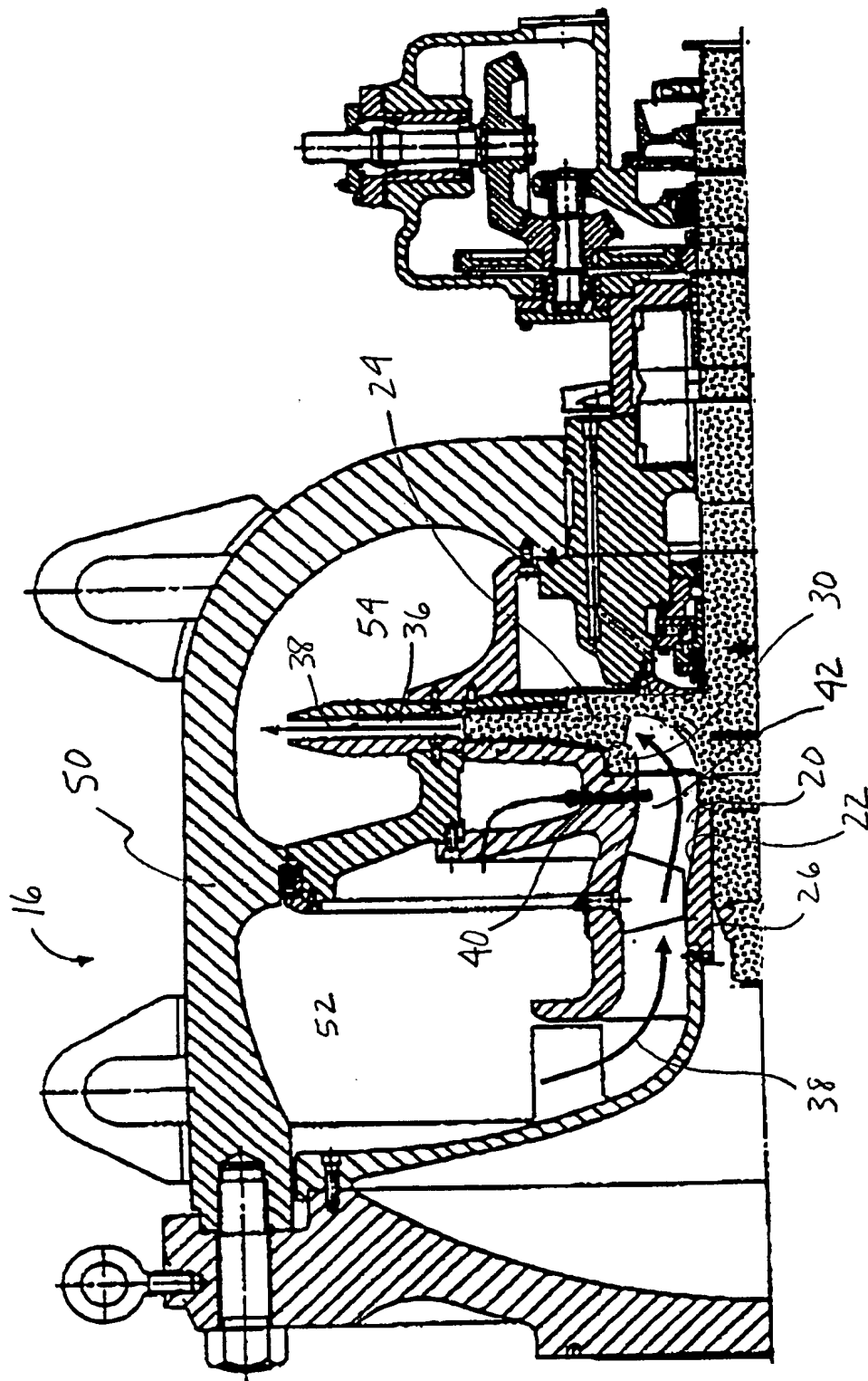


FIG. 4

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INCIPIENT SURGE TEST
INLET WALL FLOW VELOCITY

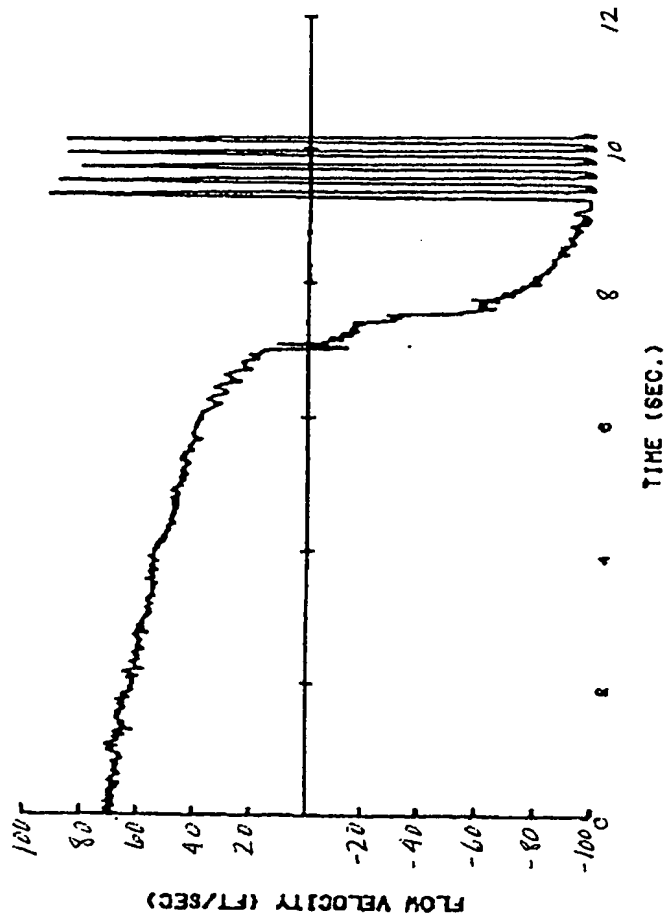


FIG. 5

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AXIAL AND TANGENTIAL WALL VELOCITY

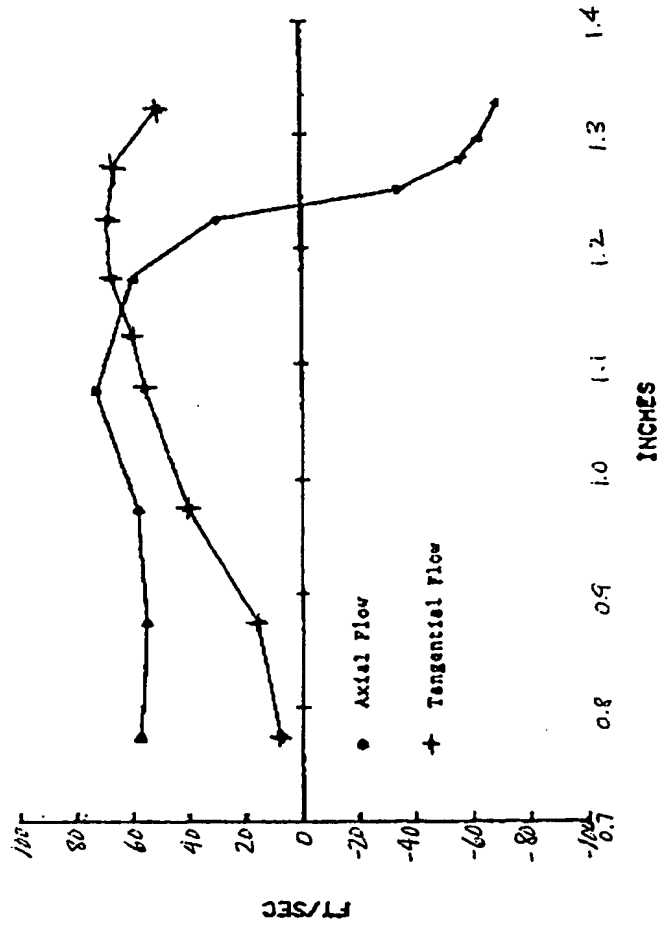


FIG. 7